

# Intel® Atom™ Processor E3800

## SPI Driver Release Notes

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### 1. Driver Information

This is the main SPI driver (32bit and 64bit) for the Bay Trail-I platform for Microsoft Windows\* 7 and WES7

- Driver name  
iapospi.sys  
“Intel® Atom™/Celeron®/Pentium® Processor SPI Controller” in device manager list
- Version  
1.1.5.1021
- Release Data  
3/10/2014
- List of files in the driver package
  - Driver binaries  
iaiospi.inf  
iaiospi.sys  
iaiospi.cat
  - Driver Interface head filer  
SPIPublic.h
  - Driver documents  
BYT-I\_Win7\_IODriver\_Programmer\_Guide.docx  
ISG\_BYT-I\_SPI\_Driver\_Release\_Note.docx

### 2. System Requirement

- Supported Platform  
Bay Trail-I Fab3 Rev3 (SKU: B3)  
Baker Sport Fab B (SKU: B3)  
Windows 7 Ultimate 64 bit SP1 (7601)  
Windows 7 Ultimate 32 bit SP1 (7601)  
Windows Embedded Standard 64 bit SP1 (7601)  
Windows Embedded Standard 32 bit SP1 (7601)
- Development Environment  
Windows 7 64 bit SP1 (7601)  
Microsoft Visual Studio Professional 2012 Version 11.0.50727.1 RTMREL  
MSBuild 4.0.30319.17929  
Windows Driver Kit 8.0.0
- Dependency  
N/A
- Constraint  
N/A

### 3. Enabled Features

- Support SPI mode 0,1,2,3
- Support transfer rate at the minimum of 100 kbps and at maximum rate 15 Mbps
- Support polling of IO data transfer (Read/Write)
- DMA data transfer

### 4. Disabled features

N/A

### 5. Fixed Issues or New Features

N/A

### 6. Known Issues

- HSD [4634792][WIN8/WIN7] One bit is wrong occasionally in SPI

### 7. Installation Guide

- Execute Intel Atom E3800 Win7 IO Drivers 64Bit.msi to install 64bit driver
- Execute Intel Atom E3800 Win7 IO Drivers 32Bit.msi to install 32bit driver
- Uninstall the driver from Control Panel\All Control Panel Items\Programs and Features or Uninstall the driver by click MSI installer again.

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